Read Me First

hp StorageWorks
Business Copy EVA/MA/EMA v2.2 Read Me First Update

Product Version: BC v2.2

This document applies to theSeptember 2003 release of HP StorageWorks Business Copy for Enterprise Virtual Array (EVA), Modular Array (MA), and Enterprise Modular Array (EMA) storage environments. "Business Copy (BC)" is the new name for the "Enterprise Volume Manager (EVM)" software.

This Read Me First document identifies important issues, and provides a list of BC technical documents.

Important—This Document Can Save You Time

This document contains critical information that will help you avoid:

- Installation and configuration issues that could cause you to lose time if you don't know about them
- Doing tasks in a sequence that may affect the outcome or integrity of your BC environment
- Job failures and reduced operational functionality

Before You Install BC—What You Should Know

Table 1 lists things you should be aware of before installing BC 2.2.

Table 1: Before You Install BC 2.2

What You Should Know	Description	For Details…
Release Notes contain last-minute changes.	To avoid problems before installation, check the server and host agent Release Notes for last-minute changes.	*HP StorageWorks Business Copy EVA/MA/EMA Server v2.2 Release Notes* *HP StorageWorks Business Copy EVA/MA/EMA Host Agent v2.2 Release Notes*
BC operations depend on using the correct version of component software.	To function properly, BC depends on using the correct versions of the BC server, the Storage Management Appliance (SMA), device managers/element managers, host agents, Fibre Channel Adapters (FBAs), Host Bus Adapters (HBAs), and browsers/JREs. Of particular importance are the browser/JRE versions—if you do not have a supported browser or JRE, you cannot browse to BC. To ensure a successful installation, check that you are using the correct versions of component software.	*HP StorageWorks Business Copy EVA/MA/EMA v2.2 Network Administration Guide*, **Chapter 4**, "BC Requirements and Support"
Before updating, consider the ramifications.	If you are updating, consider the ramifications of updating to a new version. Although a new version will include valuable new features, it may also may affect your decision to update.	*HP StorageWorks Business Copy EVA/MA/EMA v2.2 Network Administration Guide*, **Chapter 1**, "Getting Started" section: What's New for BC 2.2
You should make a backup of the update file.	After downloading the update file, HP recommends that you back up the update file or make CD-ROMs. This ensures that BC installations and updates can be performed quickly in the future, without re-downloading files.	See "Backing Up the Update File" on page 11 of this document.
Remove SWCC software from a host if it is accessing the same storage as the BC element manager.	A BC 2.2 network does not support StorageWorks Command Console (SWCC) HS-Series software to access the same storage as a BC element manager.	Uninstall the SWCC or use the host outside of the BC network.

Table 1: Before You Install BC 2.2

What You Should Know	Description	For Details...
The sequence for installing BC network components affects operability.	Following the correct sequence for installing BC network components is essential for ensuring operability. This is particularly important if you are updating from an older version of the SMA.	*HP StorageWorks Business Copy EVA/MA/EMA v2.2 Network Administration Guide*, **Chapter 6**, "Preparing to Update a BC Network" section: Update Steps
Rename SMAs before the network is established to save time in the future.	Before installing the BC server and host agent software, you may want to rename your SMAs. Changing them now will avoid uninstalling and reinstalling of BC and other software if an SMA fails after the network is established. It also provides more recognizable, user-friendly names, because the default SMA name is the serial number.	*HP StorageWorks Business Copy EVA/MA/EMA v2.2 Network Administration Guide*, **Chapter 7**, "Best Practices and Maintenance Tasks" section: Renaming and Replacing an SMA
Upgrading from EVM 1.x requires uninstalling EVM software and updating all EVM jobs.	To update to 2.2, you must first uninstall all EVM software. You must also update all EVM jobs.	*HP StorageWorks Business Copy EVA/MA/EMA v2.2 Network Administration Guide*, **Chapter 1**, "Getting Started" section: Task Map: New BC Customers Online Help & User Guide > Job Planning
A BC network cannot include a mix of different versions of the server and host agent software.	For example, you cannot have BC 2.2 server software with BC 2.0C host agent software.	*HP StorageWorks Business Copy EVA/MA/EMA v2.2 Network Administration Guide*, **Chapter 1**, "Getting Started" section: Task Map: New BC Customers Online Help & User Guide > Job Planning

After You Install BC—What You Should Know

This section lists things you should be aware of after installing BC.

Table 2: After You Install BC

What You Should Know	Description	For Details...
Updating from EVM V2.0x to BC v2.2 may require changes to jobs.	All jobs that involve the `MOUNT VOLUME` operation must be manually edited before they can be executed.	Online Help & User Guide
Renaming SMAs after the BC network is established can be time consuming.	HP does not recommend renaming SMAs after a BC network is established, because it requires uninstalling BC (and possibly other value-added software) and updating host agents. For large networks, this can be time consuming.	*HP StorageWorks Business Copy EVA/MA/EMA v2.2 Network Administration Guide*, **Chapter 7**, "Best Practices and Maintenance Tasks" section: Renaming and Replacing an SMA

Creating/Running Jobs—What You Should Know

This section lists things you should be aware of before creating and running BC jobs.

Table 3: Creating/Running Jobs

What You Should Know	Description	For Details...
A list of job-related problems exists.	To avoid known problems, review the Troubleshooting information, and the rules for creating jobs.	*HP StorageWorks Business Copy EVA/MA/EMA v2.2 Network Administration Guide*, **Chapter 9**, "Troubleshooting" Online Help & User Guide
The BC GUI browser session automatically times out after15 minutes of inactivity.	This is important to remember when you are creating jobs. Save often, and remember that you can lose inputs if the browser session times out.	Online Help & User Guide
(HSV-based storage only) Changing the SMA password while BC jobs are running can cause BC jobs to fail.	If you change the SMA password, you must change the Command View EVA password on the Remote Access page. Failure to keep the passwords in sync can cause BC jobs to fail.	*HP StorageWorks Business Copy EVA/MA/EMA v2.2 Network Administration Guide*, **Chapter 7**, "Best Practices and Maintenance Tasks" section: Synchronizing Passwords— HSV-based Storage Only
Regularly back up BC jobs and configurations.	The BC GUI has a feature that allows you to save BC jobs and configurations to a host. It is important to schedule regular backups of jobs and configurations.	Online Help & User Guide > **Configuration Save/Reload** feature

Where to Find Information

This section contains useful links to information.

Table 4: Useful Links

For This Information...	Go to...
■ BC update downloads ■ OS basic and enhanced support matrix ■ Using BC with third-party applications (white papers) ■ BC technical documentation	http://h18000.www1.hp.com/products/storage/software/bizcopyeva/index.html

BC Technical Documentation

This section lists the documentation for BC software.

Table 5: Technical Documentation

Type	Title	Description	Part Number
Read Me First	*HP StorageWorks Business Copy EVA/MA/EMA v2.2 Read Me First*	Identifies important considerations, and points to detailed information in the BC documentation set.	T3032-99101
	HP StorageWorks Business Copy EVA/MA/EMA v2.2 Read Me First Update	Identifies important considerations for update customers, and points to detailed information in the BC documentation set.	AA-RQ70G-TE
BC Overview and Network Administration	*HP StorageWorks Business Copy EVA/MA/EMA v2.2 Network Administration Guide*	Describes BC requirements, configuration, and network operational considerations.	T3032-96101
BC Server	*HP StorageWorks Business Copy EVA/MA/EMA Server v2.2 Installation Guide*	Guide for installing the BC server software.	T3032-96102
	HP StorageWorks Business Copy EVA/MA/EMA Server v2.2 Release Notes	Document with release information for the BC server software.	T3032-98101
HP Tru64 UNIX host agent	*HP StorageWorks Business Copy EVA/MA/EMA Host Agent v2.2 for HP Tru64 UNIX Installation Guide*	Guide for installing the host agent.	T3032-96103
	HP StorageWorks Business Copy EVA/MA/EMA Host Agent v2.2 for HP Tru64 UNIX Release Notes	Document with release information for the host agent.	T3032-98102
HP-UX host agent	*HP StorageWorks Business Copy EVA/MA/EMA Host Agent v2.2 for HP-UX Installation Guide*	Guide for installing the host agent software.	T3032-96104
	HP StorageWorks Business Copy EVA/MA/EMA Host Agent v2.2 for HP-UX Release Notes	Document with release information for the host agent.	T3032-98103

Table 5: Technical Documentation (Continued)

Type	Title	Description	Part Number
IBM AIX host agent	*HP StorageWorks Business Copy EVA/MA/EMA Host Agent v2.2 for IBM AIX Installation Guide*	Guide for installing the host agent software.	T3032-96105
	HP StorageWorks Business Copy EVA/MA/EMA Host Agent v2.2 for IBM AIX Release Notes	Document with release information for the host agent.	T3032-98104
OpenVMS host agent	*HP StorageWorks Business Copy EVA/MA/EMA Host Agent v2.2 for OpenVMS Installation Guide*	Guide for installing the host agent software.	AA-RUQPA-TE
	HP StorageWorks Business Copy EVA/MA/EMA Host Agent v2.2 for OpenVMS Release Notes	Document with release information for the host agent.	T3032-98007
Sun Solaris host agent	*HP StorageWorks Business Copy EVA/MA/EMA Host Agent v2.2 for Sun Solaris Installation Guide*	Guide for installing the host agent software.	T3032-96106
	HP StorageWorks Business Copy EVA/MA/EMA Host Agent v2.2 for Sun Solaris Release Notes	Document with release information for the host agent.	T3032-98105
Windows host agent	*HP StorageWorks Business Copy EVA/MA/EMA Host Agent v2.2 for Windows Installation Guide*	Guide for installing the host agent software.	T3032-96107
	HP StorageWorks Business Copy EVA/MA/EMA Host Agent v2.2 for Windows Release Notes	Document with release information for the host agent.	T3032-98106
BC Application Notes	*HP StorageWorks Business Copy EVA/MA/EMA v2.2 Using BC with Continuous Access EVA and Data Replication Manager Application Notes*	Document that describes considerations for using BC in Continuous Access EVA or Data Replication Manager environments.	T3032-96108

Table 5: Technical Documentation (Continued)

Type	Title	Description	Part Number
Online Help & User Guide	*HP StorageWorks Business Copy EVA/MA/EMA Online Help & User Guide*	The BC GUI contains online help for using the GUI, and a User Guide to help you plan and create jobs. The BC Help & User Guide can be viewed without installing BC. To open the Help & User Guide from a local drive or CD-ROM: 1. Browse to …\Help \Master\. 2. Double-click the *start.htm* file to display the BC Help & User Guide menu page. 3. Click an OS link to continue.	

Backing Up the Update File

After downloading the update file, HP recommends backing up the update file, and the files extracted from it, to CD-ROMs that you keep in one or more locations. This ensures that BC installations and updates can be performed quickly in the future, without re-downloading files.

HP recommends making the following CD-ROMs:

- One for archival
- One to keep with the SMA containing the BC server software
- One or more to retain with BC hosts

To make a CD-ROM backup:

1. Extract the individual files from the download file (*BC_2.2_Update.exe*).

   Do not extract deeper than the first level.

2. Burn a CD-ROM copy of the download file and the extracted files.

3. Label each CD-ROM with the month and year. For example:

   "Business Copy v2.2—October 2003 Update."